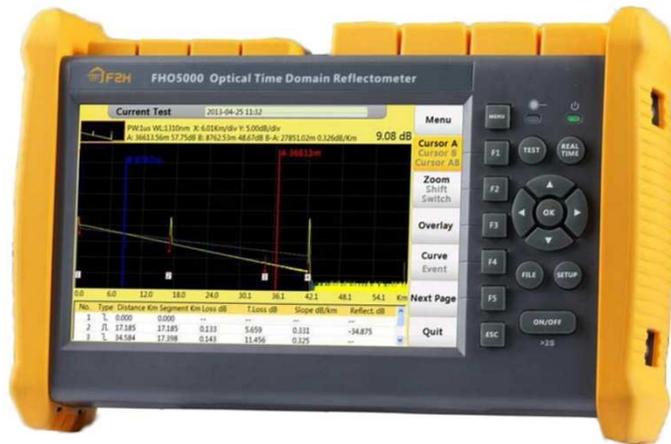# Optical Time Domain Reflectometer (OTDR)

AYFHO5000 Series

Features

- Integrated design, smart and rugged.
- Small and light, easy to carry.
- 1625nm online test module with filter is available as an option for online FTTx/PON detection.
- Multi-measuring mode, simple to use, finish measurement by just one button.
- Realtime measuring function, convenient to monitor the splicing process.
- Internal large power visual laser source for accurate positioning the closer fault point.
- Internal -5dBm stable laser source.
- Optical power meter function is offered as an option.
- Warning function could prevent OTDR module from being damaged by optical signal in fiber.
- Integrated with 2 main USB and one sub USB port, for connecting with external USB memory or PC.
- Integrated with screenshot function.
- PC remote access and control function is available via RJ45 interface or the optional WIFI module.
- Support multi-language display and input, friendly interface, visual keyboard capable.
- Integrated with 4GB internal memory, more than 40,000 groups curve storage.
- Provide data simulation software to process, generate and print report.
- Battery indicator function.
- Multi-language software (Chinese, English, French)
- Long working hours for outdoor operation.

Excellent shocking proof function makes it works more stable in any tough environment.

Water Proof

Incredible water proof function which ensure a stable working performance even in pouring rain.

Shockproof

Dropping Proof

Adopt special rubber material protection side sheath which provides a great protection fir accidental dropping up to 1.5m height.

Ordering Information

Type	Testing Wawelength	Dynamic Range	Event/Attenuation dead-zone
AYFHO5000-D26	1310/1550nm	26/24dB	0.8m/4m
AYFHO5000-D32	1310/1550nm	32/30dB	0.8m/4m
AYFHO5000-D35	1310/1550nm	35/33dB	0.8m/4m
AYFHO5000-D40	1310/1550nm	40/38dB	1m/4m
AYFHO5000-D43	1310/1550nm	43/41dB	1m/5m
AYFHO5000-T40F	1310/1550/1625nm ("F" signifie avec filtre)	40/38/38dB	1m/4m
AYFHO5000-T43F	1310/1550/1625nm ("F" signifie avec filtre)	43/41/41dB	1m/5m
AYFHO5000-M21	850/1300nm	19/21dB	0.8m/4m
AYFHO5000-MD21	850/1300/1310/1550nm	19/21/35/33dB	0.8m/4m/1m/4m
AYFHO5000-MD22	850/1300/1310/1550nm	19/21/40/38dB	0.8m/4m/1m/4m
AYFHO5000-S2538F	1625nm	38dB	1m/4m

Specifications

Pulse Width	3ns, 5ns ,10ns, 20ns, 50ns, 100ns, 200ns, 500ns, 1µs, 2µs, 5µs, 10µs, 20µs
Distance Range	Dead zone test, 500m, 2km, 5km, 10km, 20km, 40km, 80km, 120km, 160km, 240km
Sampling Resolution	Minimum 0.25m
Sampling Point	Maximum 128,000 points
Linearity	≤0.05dB/dB
Loss Threshold	0.01dB
Loss Resolution	0.001dB
Distance Resolution	0.01m
Distance Accuracy	±(1m+measuring distance×3×10-5+sampling resolution)
Internal Visual Source	10mW, CW/2Hz
Stable Laser Source	-5dBm
Data Storage	40,000 groups of curve
Interface	1×RJ-45 port, 3×USB port (Type A×2 Type B×1)
Display	7 inch TFT-LCD (touch screen function is optional)
Battery	7.4V/4.4Ah lithium battery (with aviation certification), continuous 6 hours working
Working Temp.	-10℃~+50℃
Storage Temp.	-20℃~+70℃
Humidity	≤95% (non-dew)
Dimension	253×168×73.5mm / 1.5kg (battery included)
Accessories	Main unit, 12V power adapter, Lithium battery, FC adapter, Wrist belt, USB cord, User guide, CD disk, Carrying case
Optional Parts	SC, ST, LC adapter, Bare fiber adapter

Front view   Top view   Interface of simulation software